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# NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/10/2004

David J. Oldenkamp, Esq. Shapiro, Borenstein & Dupont LLP Suite 700 233 Wilshire Boulevard Santa Monica, CA 90401

 EXAMINER	
LE, THAO P	

PAPER NUMBER

ART UNIT 2818

**DATE MAILED: 02/10/2004** 

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/015.063	12/11/2001	James R. Heath	0175.0005	7255

TITLE OF INVENTION: METHOD FOR LITHOGRAPHIC PROCESSING ON MOLECULAR MONOLAYER AND MULTILAYER THIN FILMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/10/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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I. Review the SMALL ENTITY status shown above.

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A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

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- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing n applications filed on or after Dec. 12, 1980 may require payment f maintenance fees. It is patentee's responsibility t ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this f rm, together with applicable fee(s), t: Mail

Mail St p ISSUE FEE Commissi ner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile

Shapiro, Borenstein & Dupont LLP Suite 700 233 Wilshire Boulevard Santa Monica, CA 90401

	ransmitted to the USPTO, on the date indicated below.
(Depositor's name)	
(Signature)	
(Date)	

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· nonprovisional	NO	\$1330		\$300	\$1630	05/10/2004
EXAM	MINER	ART UNI	IT	CLASS-SUBCLASS	]	
LE, T	HAO P	2818	_	438-622000		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			names of agents O firm (hav agent) an	inting on the patent front page, f up to 3 registered patent at R, alternatively, (2) the name or ring as a member a registered at the names of up to 2 register or agents. If no name is listed inted.	attorneys or 1 of a single attorney or 2 ered patent	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categor	ies (will not be printed on the patent);	☐ individual	☐ corporation or other private group entity	☐ government
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
☐ Issue Fee	☐ A check in the amo	ount of the fee(s)	is enclosed.	
☐ Publication Fee	Payment by credit	card. Form PTO-	2038 is attached.	
□ Advance Order - # of Copies	The Director is he Deposit Account Nur	reby authorized	by charge the required fee(s), or credit any (enclose an extra copy of this	overpayment, to form).
Director for Patents is requested to apply the Issue Fee an	d Publication Fee (if any) or to re-apply	any previously p	oaid issue fee to the application identified abo	ve.
(Authorized Signature)	(Date)			
NOTE; The Issue Fee and Publication Fee (if require other than the applicant; a registered attorney or age interest as shown by the records of the United States Pa	d) will not be accepted from anyone nt; or the assignee or other party in tent and Trademark Office.			
This collection of information is required by 37 CFR obtain or retain a benefit by the public which is to fil application. Confidentiality is governed by 35 U.S.C. II estimated to take 12 minutes to complete, including ga completed application form to the USPTO. Time will case. Any comments on the amount of time you re suggestions for reducing this burden, should be sent to Patent and Trademark Office, U.S. Department of 22313-1450. DO NOT SEND FEES OR COMPLESEND TO: Commissioner for Patents, Alexandria, Virg	e (and by the USPTO to process) an 22 and 37 CFR 1.14. This collection is thering, preparing, and submitting the vary depending upon the individual equire to complete this form and/or to the Chief Information Officer, U.S. of Commerce, Alexandria, Virginia (FD FORMS TO THIS ADDRESS.		,	
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10/015,063	12/11/2001	James R. Heath	0175.0005	7255
. 7	590 02/10/2004		EXAM	INER
David J. Oldenka			LE, THAO P	
Shapiro, Borenstein & Dupont LLP Suite 700			ART UNIT	PAPER NUMBER
233 Wilshire Boul	evard		2818	
Santa Monica, CA	90401		DATE MAILED: 02/10/2004	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			M/		
	Application No.	Applicant(s)			
· · · · · · · · · · · · · · · · · · ·	10/015,063	HEATH ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Thao P Le	2818			
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due o	ed course. <b>THIS</b>		
1. This communication is responsive to <u>11/24/03</u> .					
2. The allowed claim(s) is/are <u>21-23 and 25-30</u> .					
3. The drawings filed on 21 August 2003 are accepted by the					
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority ur</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ul>	nder 35 U.S.C. § 119(a)-(d) or (f).				
<ol> <li>Certified copies of the priority documents have</li> </ol>					
<ol><li>Certified copies of the priority documents have</li></ol>					
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage applicat	ion from the		
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:		!!:Aiam\ aimaa	if:-		
5. Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specification.	ation or in an Application Data Sheet		a specific		
(a) The translation of the foreign language provisional a	• •				
6. Acknowledgment is made of a claim for domestic priority up in the first sentence of the specification or in an Application		nce a specific referenc	e was included		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of $$	f this communication to file a reply control this application. THIS THREE-MON	omplying with the requi	rements noted EXTENDABLE.		
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF		
8. CORRECTED DRAWINGS (as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2 to Paper No		948) attached			
(b) ☐ including changes required by the proposed drawing of	correction filed which has be	en approved by the Ex	kaminer.		
(c) ☐ including changes required by the attached Examiner's					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawir he margin according to 37 CFR 1.121(	ngs in the front (not the d).	back) of		
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T			lote the		
Attachm nt(s)					
1⊠ Notice of References Cited (PTO-892)	5☐ Notice of Informal Pa	tent Application (PTO-	-152)		
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	6☐ Interview Summary (	PTO-413), Paper No	·		
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No	3), 7 Examiner's Amendm	7 Examiner's Amendment/Comment			
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statemer 9⊡ Other .	nt of Reasons for Allow	ance		
or brongreat material	Joiner .				
	David Nelms				
	Supervisory Patent Examiner				
	Technology Center 2800				

Application/Control Number: 10/015,063
 Page 2

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## **DETAILED ACTION**

1. Examiner took notice of remark and amendment made on 8/21/03 and 11/24/03.

Claims 13-20, 24 were canceled.

Claim 21 was amended.

2. Claims 21-23, 25-30 are pending.

# Allowable Subject Matter

- 3. Claims 21-23, 25-30 are allowed.
- 4. Claims 21-23, 25-30 are considered allowable since none of prior art teach or suggest claimed limitations having a method of forming electronic devices where a molecular monolayer or multilayer is sandwiched between top and bottom electrodes at electrode intersections, a layer of electrically conductive protective material that is located only on the interior surface of the top electrode pattern and a layer of molecules having an electrical characteristic located adjacent to the layer of electrically conductive material.

#### Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao P Le whose telephone number is 571-272-1785. The examiner can normally be reached on M-T (8:00-6:30).

Art Unit: 2818

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1956.

Thao P. Le

Supervisory Patent Examiner
Technology Center 2800